



X230 DENSI-PROOF REPELLER™

Technical
Data
Sheet

Issued: 19th June 2019
Document TDS 106 V4K
Page 1 of 2



INTERNAL AND EXTERNAL PROTECTION FOR CONCRETE

Description & Uses

X230 Densi-Proof™ Repeller is a single pack one application spray on system that deeply penetrates new or existing concrete, provides curing, permanent waterproofing and protection. The added X300 Repeller provides surface protection and ease of cleaning against acids, oils, water based stains, chemicals, body fluids, wine, grease and others.

Features and Benefits

- Will cure concrete equal to water pond curing.
- Permanently waterproofs concrete from any direction.
- Makes concrete impermeable, increasing longevity.
- Resists surface staining.
- Increases tensile & compressive strength.
- Resists freeze thaw damage.
- Retards efflorescence.
- Stabilises pH.
- Used on horizontal substrates.
- Low VOC, environmentally friendly, user safe.
- Compatible with epoxy and acrylic line marking paints.
- Eliminates moulds and odours.
- Indefinite shelf life.
- Minimum site disruption, trafficable after 3 hours.
- Reduces dry shrinkage cracking.

Physical and Chemical Properties

Appearance:	Low viscosity cloudy-white liquid.	Relative Density:	Ca. 1.10 @ 20°C.
Odour:	Almost none.	Solubility:	Fully miscible in water.
pH:	Ca. 11.4	Auto-ignition Temperature:	Product is not self-igniting.
Initial Boiling Point/ Boiling Range:	> 100°C @ 760 mm Hg.	Viscosity:	Low.
Flash-point:	Not applicable.	Volatile Organic Compounds (VOC) Content;	4g per Litre
Flammability (solid, gas):	Not applicable.	Per Cent Volatile:	Ca. 0 % w/w.
Upper/Lower Flammability or Explosive Limits:	Not applicable.		

Recommended Substrate Conditions & Preparation

Freshly Placed Concrete: 5m² per litre.
Existing Concrete: 5m² per litre

Important Notes:

1. Wax, paint, curing compounds or a burnished surface restricting access to concrete's interior must be chemically or mechanically removed for X230 Densi-Proof™ Repeller to penetrate and work properly.
2. Areas of high porosity have a faster penetration rate. These areas appear dry immediately after spraying and will require additional product.
3. Do not apply on frozen substrate or when temperature is below 3°C when getting colder. Call for advice if applying during colder

periods.

4. Do NOT apply if rain is forecast within 3 hours.
5. Before applying any paint, wait 24 hours after application with X230 Densi-Proof™ Repeller. Always follow paint manufacturers surface preparation guidelines and requirements.
6. X230 Densi-Proof™ Repeller may etch glass/tiles or dull brushed and shiny aluminium and can be difficult to remove from other surfaces once it dries. Cover and mask surrounding surfaces or rinse immediately if sprayed.
7. We recommend the use of a painters mask during application. Refer to MSDS available from www.oxtek.com.au



X230 DENSI-PROOF REPELLER™

Technical Data Sheet

Issued: 19th June 2019
Document #: TDS 106 V4K
Page 2 of 2

Application Guide

On Already-Set Concrete:

Apply X230 Densi-Proof™ Repeller using a pump pack or battery pack sprayer. Holding spray tip (eg .019" - .024") 150mm from surface, apply X230 Densi-Proof™ Repeller at minimum rate of 5m² per litre with an overlapping spray pattern of 50%. Begin application at the lowest elevation. For example, walls and slopes should be applied side to side, from the bottom up.

Using a soft broom sweep and spread out puddled product as it penetrates. Do not allow product to puddle dry on the surface. If product gels on the surface remove with a squeegee.

As a Cure Method at Time of Pour:

Note: In hot climates, mist-wet the surface with water and remove any puddles prior to application. Use best hot weather concrete placement techniques. Use of Aliphatic alcohol will not affect X230 Densi-Proof™ Repeller.

Apply with a low-pressure non-atomizing, spray apparatus such as

a pump-tank or battery pack sprayer. X230 Densi-Proof™ Repeller is ideally applied to the newly-poured concrete surface as soon as is practical following its surface finishing phase. Should conditions require the surface to be walked on, for application, concrete should be allowed the time to adequately set, so as not to imprint or mar its surface during application. Recommended minimum coverage rate as a cure method is 5m² per litre.

Caution: For newly placed unused concrete only.

For existing, soiled, used and old concrete a two part system must be used. X200 Densi-Proof™ will decontaminate and purge deep seated unwanted substances to the surface and these need to be removed prior to finishing with the X300 Repeller. Use a two part system of X200 Densi-Proof™ or X220 Moisture-Fix (refer to TDS) and then clean and apply X300 Repeller. Call your Oxtek Rep for advice.

Additional Data and Precautions

Available in 5, 15, 200 and 1000 litre containers.

1. Any coatings that may restrict access to the concrete's interior must be chemically or mechanically removed for X230 Densi-Proof™ Repeller to penetrate.

2. Protect areas not intended for coverage.

3. X230 Densi-Proof™ Repeller may etch glass/tiles or dull shiny aluminium and can be difficult to remove from other surfaces once it dries.

4. Do not apply on frozen substrate or when temperature is below 3°C when getting colder. Call for advice if applying during colder periods.

5. X230 Densi-Proof™ Repeller's spray mist is not hazardous to breathe. However, we do recommend the use of a face mask during application. Refer to MSDS.

6. For more information read Material Safety Data Sheet available at www.oxtek.com.au

Certifications

Oxtek Solutions are actively committed towards best practice and environmentally friendly systems and procedures within the concrete and flooring industries.

We are proud to support this through our memberships and affiliations with the following industry bodies.



POLYGIENE BIOMASTER™

